

Figure 1

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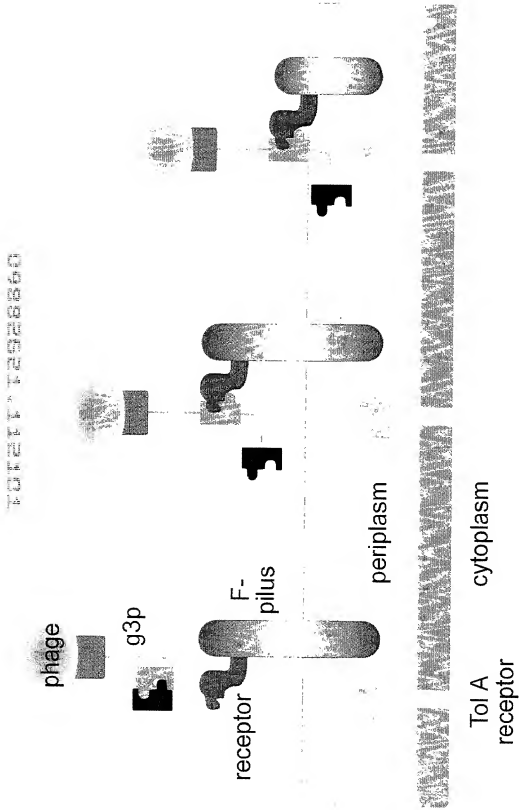


Figure 2

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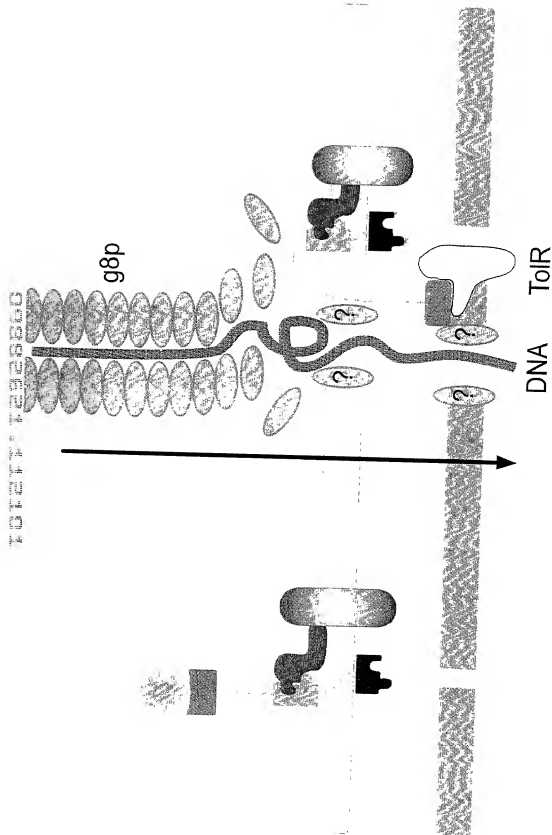


Figure 3

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No inserted ORF Inserted ORF

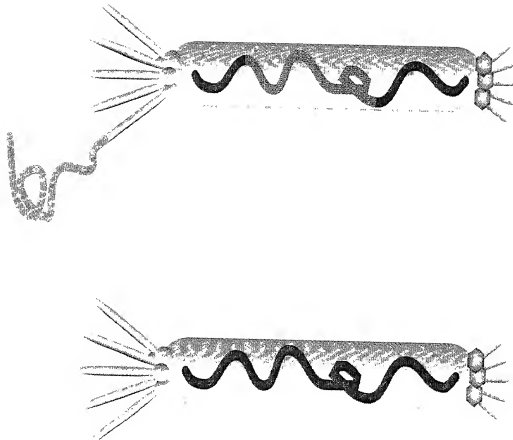


Figure 4

107211-1226660

307217-1292860

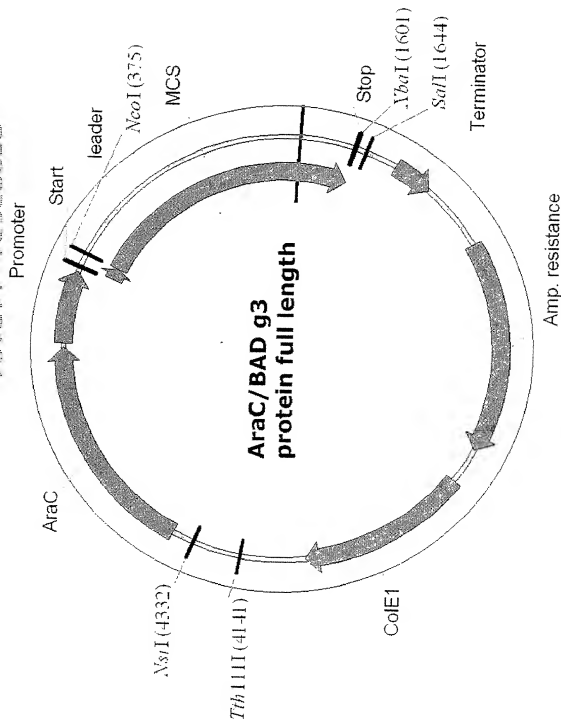


Figure 5

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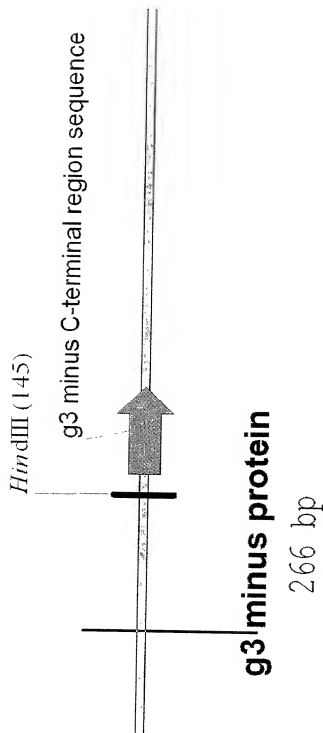


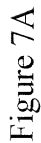
Figure 6A

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G3-minus protein

GGTTATGCGTGGGCGATGGTTGTTGTCATTGTGCGCGCAACTATCGGTATCAAGCTGTTTAAGAAATTCACCTCG
AAAGCAAGCTGATAAACCGATACATTAAGGCTCCTTTTGGAGCCTTTTTTTGGAGATTTTCAACAAGCTTC
TGCGTAATAAGGAGTCTTAATCATGCCAGTTCTTTTGGGTATTCCGTTATTATTGCGTTTCCTCGGTTTCCTCT
GGTAACCTTGTTGCGCTATCTGCTAACTTTTCTAAAAAG

Figure 6B

100
90
80
70
60
50
40
30
20
10
0



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D3 domain of g3 Protein

TTGACTCCCTGCAAGCCTCAGCGACCGAATATATCGGTTATGCGTGGGCGATGGTTGTTGTCATTGTCGGCGCAA
CTATCGGTATCAAGCTGTTTTAAGAAATTCACCTCGAAAGCAAGCTGATAAACCGATACAATTAAAGGCTCCTTTT
GGAGCCTTTTTTTTGGAGATTTTCAACGTGAAAAAATTATTATCGCAATTCCTTTAGTTGTTCTTTCTATTCT
TCACTCCGCTAAGCTTTCTGGTTCGGTGATTTTGATTATGAAAAATATGGCAAACGCTAATAAGGGGGCTATGAC
CGAAATGCCGATGAAACGCGCTACAGTCTGACGCTAAAGGCAAACCTTGATTCTGTCGCTACTGATTACGGTGC
TGCATCGACGGTTTCATTGGTGACGTTCCGGCCTTGCTAATGGTAATGGTGCTACTGGTGATTTGCTGGGTC
TAATTCGCAATGGCTCAAGTCGGTGACGGTGATAATCACCTTTAATGAATAATTCGGTCAATATTACCTTC
CCTTCCTCAATCGTTGAATGTCGCCCTTTGTCTTTCCGCGTGGTAACCATATGAATTTCTATTGATTGTGA
CAAAATAAACTTATCCGTGGTGCTTTGCGTTTCTTTTATATGTTGCCACCTTTATGTATGTATTTTCGAAGTT
TGCTAACATACGCGTAATAAGGAGTCTTAATCATGCCAGTTCTTTTGGGTATCCGTTATTATTGCGTTTCCTC
GGTTTCCTTCTGGTAACCTTTGTTCCGCTATCTGCTAACCTTTCTTAAAAAGGGCTTCGGTAAGATAGCTATTGCT
ATTTTCAT

Figure 7B

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A	GCG GCA GCC GCT
C	TGC TGT
D	GAT GAC
E	GAA GAG
F	TTT TTC
G	GGT GGC
H	CAT CAC
I	ATT ATC ATG
K	AAA
L	CTG
M	ATG
N	AAC AAT
P	CCG
Q	CAG
R	CGT CGC
S	AGC TCT
T	ACC ACG
V	GTG GTT GTC
W	TGG
Y	TAT TAC
STOP	TAA TGA

Figure 8